

AMENDMENT TO THE CLAIMS

Claims 1-28 (Canceled)

Claim 29. (Currently Amended) A method for displaying images on a display device, the display device including at least one general processing unit and a display comprising a plurality of display units with corresponding processing units, the method comprising the steps of:

transmitting a data stream comprising data concerning the image to be displayed from the general processing unit to the individual processing units;

providing a control communication comprising a plurality of control signals between the general processing unit and each of the individual processing units, the control communication sent from the general processing unit to each of the individual processing units being individually distinct from the data stream sent to each processing unit; ~~and~~

collecting data from the data stream at each of the individual processing units as a function of control signals transmitted to the individual processing units;

providing distributed signal processing between the general processing unit and the individual processing units;

providing a distributed signal processing for the signals related to the image display; and

raising the line frequency in the general processing unit in order to eliminate interline flicker and to obtain higher image resolution.

Claim 30. (Previously Presented) The method according to claim 29, wherein the display units are serially coupled.

Claim 31. (Previously Presented) The method according to claim 29, wherein the display units consist of LED panels.

Claim 32. (Canceled)

Claim 33. (Currently Amended) The method according to claim ~~32~~ 29, wherein the distributed signal processing is at least provided for signals related to color rendering, and/or brightness, and/or contrast.

Claim 34. (Previously Presented) The method according to claim 33, further comprising the step of making at least one individual adjustment at the individual processing units, said at least one individual adjustment being selected from the group consisting of: adjustment of the color coordinates, adjustment of brightness, adjustment of contrast by dynamic sample weight distribution, corrective adjustment as a function of the temperature and/or age of the display unit, adjustment of the transfer functions, and enlargement of the incoming video signal in the horizontal direction and/or vertical direction.

Claim 35. (Previously Presented) The method according to claim 34, wherein contrast adjustment comprises adjusting the linear connection between the input signal and the output signal towards a non-linear connection in each individual processing unit as a function of the command provided by the control signals.

Claim 36. (Previously Presented) The method according to claim 34, wherein at least one individual adjustment is made at the general processing unit, said adjustment being selected from the group consisting of: image stabilization and/or noise suppression, tracking of the illumination of the image, histogram equalization as a function of the entire image to be displayed, observing a cue flash and making a correction, and reduction of the image in relation to the original input image in the horizontal direction and/or vertical direction.

Claim 37. (Canceled)

Claim 38. (Currently Amended) The method according to claim ~~37~~ 29, further comprising the step of providing distributed signal processing to minimize image flickering of the general processing unit and the individual processing units.

Claim 39. (Currently Amended) The method according to claim ~~37~~ 29, further comprising the step of making individual adjustments to maintain the display unit in operating frequency-independent both vertically and horizontally.

Claim 40. (Currently Amended) The method according to claim ~~37~~ 29, wherein an automatic pulse width adjustment is realized in the individual processing units.

Claim 41. (Currently Amended) The method according to claim ~~37~~ 29, further comprising the step of raising a frequency in the individual processing units to eliminate surface flicker.

Claim 42. (Canceled).

Claim 43. (Currently Amended) The method according to claim ~~37~~ 29, further comprising the step of providing distributed signal processing at least for signals which determine image geometry.

Claim 44. (Previously Presented) The method according to claim 43, further comprising the step of transmitting control signals to the individual processing units to indicate which part of the image should be displayed at the display unit, the individual processing units collecting data from the data stream, processing the data and displaying the data as a function of the control signals.

Claim 45. (Previously Presented) The method according to claim 29, comprising the step of providing for dynamic image stabilization.

Claim 46. (Previously Presented) The method according to claim 45, wherein at least one technique is applied for the dynamic image stabilization, said at least one technique being selected from the group consisting of:

a time-dependent image stabilization arranged for verifying pixels of an image and including determining alterations occurring between successive images and providing an image stabilization effect before the images are displayed;

a frequency dependent image stabilization arranged for verifying how alterations occur in pixels of an image positioned next to one another and providing an image stabilization effect before the images are displayed;

an amplitude-dependent image stabilization; and

an image stabilization as a function of an entire image content.

Claim 47. (Previously Presented) The method according to claim 29, wherein the individual processing units are provided with master clock correction.

Claim 48. (Previously Presented) The method according to claim 47, wherein different signals are used for red, green and blue signals, and transmission errors in the red, green and blue signals are minimized due to the master clock correction.

Claim 49. (Previously Presented) The method according to claim 29, wherein the display includes a plurality of LEDs driven by an uninterrupted current during operation such that the length of time for which the current is switched on is used as a control parameter.

Claim 50. (Previously Presented) The method according to claim 49, wherein the current is altered to adjust the brightness and the contrast.

Claim 51. (Canceled)

Claim 52. (Canceled)

Claim 53. (Canceled)

Claim 54. (Canceled)

Claim 55. (Canceled)

Claim 56. (Canceled)

Claim 57. (Previously Presented) The method according to claim 29, wherein the data stream and the control signals are transmitted via separate data lines.

Claim 58. (Previously Presented) The method according to claim 29, wherein the data stream and the control signals comprise a single pulse train such that a first plurality of intervals of the single pulse train are reserved for the data stream, and a second plurality of intervals of the single pulse train are reserved for the control signals.

Claim 59. (Previously Presented) The method according to claim 29, wherein the data stream and the control signals are transmitted to each of said display units, and at least some of the individual processing units are provided with a master clock correction arrangement.

Claim 60. (Canceled)

Claim 61. (Canceled)

Claim 62. (Canceled)